

Installation Manual

Premier 412/816/832

Issue 10



Texecom
Designed to Perform

5. Operating the Alarm System

Introduction

Before attempting to operate the alarm system ensure you have familiarised yourself with all the arming and disarming methods covered in this section.

Access Codes

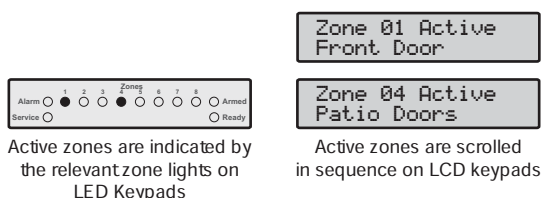
- If you make a mistake whilst entering your Access code, simply enter the correct Access code.

Arming & Disarming the Alarm System

Checking if the System is Ready to Arm

To help prevent faults during arming, a **Ready** light has been provided on each keypad. The **Ready** light works as follows:

- If the **Ready** light is on steady then the alarm system is ready to be armed.
- If the **Ready** light is flashing then the alarm system has bypassed zones and/or Force Armable zones that are violated, check these zones before proceeding.
- If the **Ready** light is off then one or more zones are violated, either secure or bypass these zones before proceeding. The keypads will display the zones that are violated:



NOTE If any unbypassed zones that are not enabled for "Force Arming" are violated at the end of the exit delay this is termed an exit error and the alarm system will go into fail set state (internal alarm). If programmed by the installer the external bell will also sound. Enter a valid user Access code to silence this alarm.

A zone will only be armed when ALL associated partitions are armed but will be disarmed when ANY associated partition is disarmed.

Away Arming

The Away arming mode is normally used when leaving the premises. When the system is armed in this mode all detection zones assigned to your partition(s) will be armed.

The **Ready** light must be on steady before the alarm system can be Away armed.

► To Away arm the alarm system proceed as follows:

- Enter Access code (???)
- Press (Arm)

The **Armed** light will flash and the exit tone will sound.

- Leave the premises, when the system has armed the exit tone will stop. The system is now Away armed.



NOTE If the Quick Arm feature is enabled (see page 41) you can omit step 1 from the above procedure.

Stay Arming

The Stay arming mode is normally used when the premises will be occupied. When the system is armed in this mode all Interior detection zones assigned to your partition(s) will be bypassed. Before Stay arming check the following:

- Secure or bypass any perimeter zones that are violated.
- Ensure no perimeter zones are bypassed unintentionally.
- Ensure no perimeter Force Armable zones are violated unintentionally.

► To Stay arm the alarm system proceed as follows:

- Enter Access code (???)
- Press (Stay)

The alarm system will arm immediately and the **Armed** light will flash.

- The system is now Stay armed.


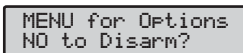

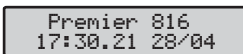


NOTE If the Quick Arm feature is enabled (see page 41) you can omit step 1 from the above procedure.

If the system is fitted with a *Premier RKP16 Plus* then the **Stay** light will also illuminate when the system is Stay armed.

Cancelling the Arming Process

- To cancel the arming process during the exit delay:


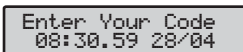

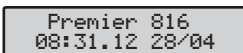
- 1 Enter Access code (? ? ? ?)


- 2 Press (Disarm) Press (No)


- 3 Arming has been cancelled and the alarm system is now disarmed.



If the system only has one partition you will not have to perform step 2

Disarming During Entry

- To disarm the alarm system during entry, proceed as follows:




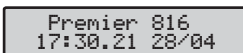
- 1 Enter the premises via the designated entry point, the entry tone will sound. Proceed directly to the remote keypad.


- 2 Enter Access code (? ? ? ?)


- 3 The entry tone will stop and the **Armed** light will turn off. The alarm system is now disarmed.



If a valid Access code is not entered before the end of the entry delay, an alarm will occur.

Disarming when not in Entry

- To disarm the alarm system when not in entry, proceed as follows:

- 1 Enter Access code (? ? ? ?)


- 2 Press (Disarm) Press (No)


- 3 The **Armed** light will turn off. The alarm system is now disarmed.


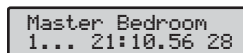
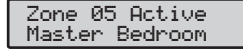


If the system only has one partition you will not have to perform step 2

If the Quick Disarm feature is enabled (see page 41) and the system is Stay armed you can omit step 1 from the above procedure.

Disarming after an Alarm

- To disarm the alarm system after an alarm, proceed as follows:


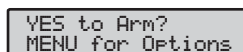

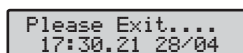
- 1 Enter Access code (? ? ? ?)


- 2 The system is disarmed and the keypads display the source of the alarm.


The system must now be reset before you can arm again, see page 75 for details on resetting alarms.

Auto Stay Arming

If your installer has enabled the Auto Stay feature the system will automatically Stay arm if the entry/exit zone (front door) is not activated whilst attempting to Away arm the system.

- To auto Stay arm your alarm system proceed as follows:



- 1 Enter Access code (? ? ? ?)


- 2 Press (Arm) Press (Yes)


- 3 The **Armed** light will flash and the exit tone will sound.

- 3 Do NOT leave the premises during the exit delay. At the end of the exit delay the alarm system will Stay arm.

Changing between Delayed and Instant Stay

When Stay arming the system the delayed zones (front door etc) are normally delayed, i.e., when a delayed zone is violated it will start the entry delay timer. However, it is possible to change the delayed zones to instant when the system is in a Stay armed mode. If a delayed zone is violated when the system is in the "Instant Stay" mode the system will generate an alarm immediately.

- To change from Delayed Stay to Instant Stay, proceed as follows:

- 1 Ensure that the system is **Stay** armed.
- 2 Press and hold the (Stay) key until you hear the confirmation tone.


- 3 The **Armed** light will flash quickly. The system is **Instant Stay** armed.



If the system is fitted with a Premier RKP16 Plus the **Instant** light will also illuminate.

- To change from Instant Stay to Delayed Stay, proceed as follows:

1 Ensure that the system is **Instant Stay** armed.

2 Press and hold the (Stay) key until you hear the confirmation tone.



3 The **Armed** light will flash slowly.
The system is **Delayed Stay** armed.



NOTE If your system is fitted with a *Premier RKP16 Plus* the **Instant** light will go off.

Arming and Disarming Partitions

This section covers arming and disarming partitions. In order to use these procedures the following requirements must be configured:

- The alarm system must be split into one or more partitions.
- Your Access code must be assigned to more than one partition.
- The keypad that you use to operate the alarm system must be assigned to multiple partitions OR your Access code is enabled for Global Access.

Away Arming Partitions

This option allows you to Away arm one or more partitions.

- To Away arm selected partitions, proceed as follows:

1 Enter Access code (???)



2 Press (Area)



3 The **Ready** light will flash quickly.
Press (1) - (4) to select/deselect partitions,
e.g. Press (2) to select Partition 2



Partition 2 is now selected.

4 Press (Arm)

Press (Yes)



The **Armed** light will flash and the exit tone will sound.

5 **Leave the area being armed**, when the partition has armed the exit tone will stop. The selected partition(s) is now Away armed.



NOTE If the Quick Arm feature is enabled (see page 41) you can omit step 1 from the above procedure.

Stay Arming Partitions

This option allows you to Stay arm one or more partitions.

- To Stay Arm selected partitions, proceed as follows:

1 Enter Access code (???)



2 Press (Area)



3 The **Ready** light will flash quickly.
Press (1) - (4) to select/deselect partitions,
e.g. Press (1) to select Partition 1.



Partition 1 is now selected.

4 Press (Stay)



The selected partition(s) will arm immediately and the **Armed** light will flash.

5 The selected partition(s) is now **Stay** armed.

Disarming Partitions

This option allows you to disarm one or more partitions.

- To disarm selected partitions, proceed as follows:

1 Enter Access code (???)



2 Press (Area)



3 The **Ready** light will flash quickly.
Press (1) - (4) to select/deselect partitions,
e.g. Press (2) to select Partition 2



Partition 2 is now selected for disarm.

4 Press (Disarm)

Press (No)



5 The selected partitions are disarmed.



Changing to another Partition

Normally the remote keypad that you use will be assigned to a particular partition and therefore the zone and status lights will indicate information relevant to the assigned partition. However, you can temporarily switch the remote keypad to a different partition so that the zone and status lights indicate the information relevant to the partition that you have selected. Whilst in this mode you can also use your Access code to arm/disarm the partition you have selected (providing you have access to the selected partition).

In order to use the cross partitioning feature, it is recommended that the system is configured as follows:

- Cross partitioning must be enabled (see page 37).
- The user must be assigned to multiple partitions.
- The user should be set for "Local Partition Access Only", see page 66
- The remote keypads should only be assigned to a single partition.

► To change to another partition, proceed as follows:

- 1 Press **Area**

- 2 Enter partition **① - ④**,
e.g. Press **②** to select Partition 2


The remote keypad will now indicate information relevant to the selected partition.



After changing to the selected partition, the remote keypad will only remain in the selected partition for 10 seconds after the last key press. However if an Access code is entered whilst the remote is in this mode, the remote keypad will remain in the selected partition for 1 minute after the last key press.

Bypassing Zones

Manually Bypassing Zones

Bypassing a zone prevents it from causing an alarm.






After manually bypassing a zone, the bypass will remain in place until the zone is manually unbypassed.

The bypass mode will time-out if no key is pressed for 60 seconds.

24 hour zones cannot be unbypassed if they are violated.

► To manually bypass zones, proceed as follows:

- 1 Enter Access code **① ② ③ ④**

- 2 Press **Bypass**

- 3 The **Ready** light will flash quickly.
Enter the zone number **① ②**,
e.g. Enter **① ②** to select Zone 2

- 4 The selected zone is now bypassed. Repeat step 3 to bypass additional zones.
- 5 Once the selected zones have been bypassed press:
Yes/Arm to Away arm
Stay to Stay arm
Menu to return to the normal disarmed state



If the Quick Bypass feature is enabled (see page 41) you can omit step 1 from the above procedure.

When one or more zones are bypassed the **Ready** light will flash and if the system is fitted with a *Premier RKP8/16 Plus* or LCD remote keypad then the **Bypass** light will also illuminate.

Unbypassing Zones

To manually unbypass zones, perform the manual bypass procedure on a zone that is already bypassed.

- 24 hour zones cannot be unbypassed if they are still violated.
- If the "Reinstate Bypassed Zones on Disarm" option is enabled (see page 37) all zones will automatically be unbypassed each time the system is disarmed.

Group Bypass

The Group Bypass feature allows you to bypass a predefined group of zones. The alarm system has up to four groups, see page 29 on programming bypass groups.

► To Bypass a group of zones, proceed as follows:

- 1 Enter Access code **???**
- 2 Enter bypass group **① - ④** followed by **Bypass**
- 3 The keypad will display the bypassed zones.
If required, zones can be added or removed from the group by entering the required zone number **??**, e.g. Enter **①⑤** to add Zone 5
- 4 The selected zone is now bypassed. Repeat step 3 to bypass additional zones.
- 5 Once the selected zones have been bypassed press:
 (Yes) (Arm) to Away arm
 (Stay) to Stay arm
 (Menu) to return to the normal disarmed state



NOTE If the Quick Bypass feature is enabled (see page 41) you can omit step 1 from the above procedure.

When one or more zones are bypassed the **Ready** light will flash and if the system is fitted with a *Premier RKP8/16 Plus* or LCD remote keypad then the **Bypass** light will also illuminate.

Quick Bypass and Arm

The Quick Bypass and Arm feature allows you to Bypass a predefined group of zones and Away or Stay arm the system. The alarm system has up to four groups, see page 29 on programming bypass groups.

► To Quick Bypass a group of zones and Away arm, proceed as follows:

- 1 Enter bypass group **① - ④**
- 2 Press **Arm**
- 3 When the exit tone stops, the system is Away armed with the selected group of zones bypassed.

► To Quick Bypass a group of zones and Stay arm, proceed as follows:

- 1 Enter bypass group **① - ④**
- 2 Press **Stay**
- 3 The system is Stay armed with the selected group of zones bypassed.



NOTE The Quick Arm feature must be enabled to use this feature (see page 41).

Reset Alarms

This function is used to reset any standing alarms and service faults. It is also used to reset detectors with a latched alarm indication, e.g., Smoke Detectors.

► To Reset Alarms, proceed as follows:

- 1 Enter Access code **???**
- 2 Press **Menu** **①**
- 3 The keypad will beep and the alarm system will reset all latching detectors and attempt to clear any standing **Alarms** or **Service Faults**.

Last Alarm Log

The control panel has a memory that stores the zones that caused an alarm when the system was last armed.

► To view the alarm memory, proceed as follows:

- 1 Enter Access code **???**
- 2 Press **Menu** **①**
- 3 Press **Menu** to return to the normal disarmed state.

Service Faults

The response to a Service Fault condition is programmed by the installer but is normally limited to the keypad buzzer. To silence the Service Fault alarm, enter your Access code.

A flashing **Service** light indicates a new fault condition. The alarm system cannot be armed whilst a new fault exists. The **Service** light will remain flashing until the new fault is acknowledged, after which it will revert to a steady yellow and the alarm system can be armed. The **Service** light will remain steady until **all** faults have been cleared.

After a new Service Fault has been acknowledged the **Service** light will revert to steady yellow and the alarm system can be armed. The **Service** light will remain steady yellow until **all** faults have been cleared.

AC Fail and Telephone Line Fault can each have a delay programmed. The **Service** light will turn steady yellow immediately on either of these faults but no Service Fault Alarm (transmission or audible alarm) will occur unless the delay expires.



If your installer has disabled AC fail acknowledgement the **Service** light will flash "rapidly" during an AC fail condition. The system can be armed without requiring acknowledgement of this fault.

Acknowledging a New Service Fault

➤ New service faults can be acknowledged as follows:

- Enter Access code (???)

- Press (Menu) (2)

The keypad will display all Service Faults.

- Press (Menu) or (Reset) to acknowledge the fault and return to the normal disarmed state.

View Service Faults

➤ Standing faults can be viewed as follows:

- Press the (Menu) key followed by the (2) key.
- The keypad will display any Service Faults (see tables).
- On completion press the (Menu) key.

Service Faults Displayed on LED Keypads

Light	Fault Condition
1	AC Fail
2	Telephone Line Fault
3	2-Wire Smoke Alarm
4	Box Tamper & Auxiliary Input: Press (4) to view type, lights 1 - 5 indicate: 1 = Box Tamper 4 = Auxiliary Tamper * 2 = Auxiliary Tamper 5 = Bell Tamper * 3 = Auxiliary PA * = UK Bell Module
5	Date or Time Lost
6	Zone Tamper/Trouble Press (6) to view zone number
7	Keypad Tamper/Removed Press (7) to view keypad number
8	Equipment Faults Press (8) to view fault type, lights 1 - 8 indicate: 1 = Output 1 Fault 2 = Output 2 Fault 3 = Siren/Bell Fault 4 = 2-Wire Smoke Sensor Fault 5 = Auxiliary Fuse Failed 6 = Battery Fault 7 = Service Timer/Zone Soak Test Failed 8 = Com 1 Fault or Fail To Communicate



Service Faults Displayed on LCD Keypads

LCD	Fault Condition
AC Fail	AC Fail
Line Fault	Telephone Line Fault
Smoke Alarm (2W)	2-Wire Smoke Alarm
Box/Aux Tamper	Box Tamper
Aux Tamper	Auxiliary Tamper (Aux Input)
Auxiliary Tamper	Auxiliary Tamper (UK Bell Module)
Bell Tamper	Bell Tamper (UK Bell Module)
Aux PA Alarm	Auxiliary PA (Aux Input)
Date/Time Loss	Date or Time Lost
Tamper Zone > 01	Zone Tamper/Trouble
Tamper Keypad > 1	Keypad Tamper/Removed
Output 1 Fault	Output 1 Fault
Output 2 Fault	Output 2 Fault
Siren Fault	Siren/Bell Fault
Smoke Sen. Fault	2-Wire Smoke Sensor Fault
Aux. Fuse Fault	Auxiliary Fuse Failed
Battery Fault	Battery Fault
Service Required	Service Timer/Zone Soak Test Failed
Coms Fault	Com 1 Fault or Fail To Communicate

Anti-code Reset

This feature is normally used in the UK where users are not permitted to reset the panel following a communicated alarm. However, the user can reset the panel after entering a unique remote reset number, which is supplied by their installer or ARC.

► To perform an Anti-code Reset, proceed as follows:

- 1 Enter Access code (? ? ? ?)

- 2 Press (Menu) (3)




The keypad will display a randomly generated 4-digit Code.
- 3 Contact the ARC to obtain a Anti-code Reset number.
- 4 Enter the Anti-code Reset number given to you by the ARC (? ? ? ?).

If the code is accepted, the keypad will sound an acceptance tone and the system will reset and return to the normal disarmed state.

Toggle Chime On and Off

When a zone is enabled for Chime the keypad will generate a Chime tone every time the zone is violated. This function allows you to turn the Chime feature on and off.



► To toggle Chime on and off, proceed as follows:

- 1 Enter Access code (? ? ? ?)

- 2 Enter (Menu) (4) Press (Chime)

- 3 If Chime was off, it will turn on and the keypad will sound the Chime tone. If Chime was on, it will turn off and the keypad will sound the acceptance tone.


Change User Code

All users of the alarm system can change their own Access code number.

► To change your Access code, proceed as follows:

- 1 Enter Access code (? ? ? ?)

- 2 Enter (Menu) (5)

- 3 Enter new code (? ? ? ?)

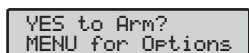
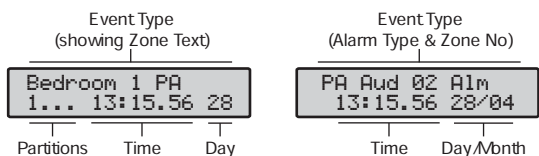

If the code is 4 or 5 digits press the (Arm) (Yes) key to accept


- 4 Re-enter new code (? ? ? ?)
- 5 The keypad will sound an acceptance tone if the new Access code was accepted. If you hear an error tone (low), please repeat from step 1.

View Log (LCD Only)

The control panel has an Event Log, which stores all system activity i.e., users entering their codes to arm and disarm the system, alarm events, faults etc. Each event is time and date stamped.



► To view the Event Log, proceed as follows:

- 1 Enter Access code (? ? ? ?)

- 2 Enter (Menu) (6)

- 3 Press (Area) to toggle information displayed

- 4 Press (Up/Down) to scroll up and down through the log. Press (Menu) to when finished.

Abort Communications

This option aborts any communications to the Alarm Receiving Centre.

► To Abort Communications, proceed as follows:

- 1 Enter Access code (? ? ? ?)

- 2 Enter (Menu) (7)

- 3 The keypad will bleep and the alarm system will abort all communications to the Alarm Receiving Centre.

6. Specifications

Control Panel

Power Supply

Maximum Current Rating

16.5V _{AC} , 25VA transformer:	1 A _{DC}
16.5V _{AC} , 40VA transformer:	1.5A _{DC}
Frequency	50/60Hz PSU Type A

Ripple: 5%

Standby Battery

Maximum Capacity:	17Ah (See Safety Note 3, 4 & 5)
Recharge Time is dependent on Battery Charge Jumper position:	300mA position 7AH = 24hr 17AH = 56hr 750mA position 7AH = 1Chr 17AH = 24hr

Low Voltage Alarm:	10.5V
Deep Discharge Cut-off:	9.5V

EN50131-6 1997

Maximum PSU current for each output = 1amp

Maximum ripple = 0.6V

For input voltages between 90% & 110% the output voltage shall be between 11V & 14V

Electrical

Current Consumption

Quiescent Current:	< 50mA
Alarm:	< 150mA

Fuses

Mains (Factory Fit 230V _{AC} Transformer):	125mA, 250V, 20mm (See Safety Notes 1 & 2)
Mains (Factory Fit 115V _{AC} Transformer):	250mA, 250V, 20mm (See Safety Notes 1 & 2)
Battery:	2.5A PTC
Auxiliary:	900mA PTC
Siren:	900mA PTC
Data:	900mA PTC

Zones

Number:	8
EOL Resistor Value:	3K3

Panel Outputs

O/P 1 - Supervised:	1A switched to 0V
O/P 2 - Supervised:	1A switched to 0V
O/P 3 - 8	100mA switched to 0V

Siren Output (Supervised)

Speaker Mode:	Minimum load 4Ω
Bell Mode:	1A switched to 0V

2-Wire Smoke Detectors:

ESL429CT
System Sensor 2100TS

Onboard Communicator

Protocols:	Pulse Format, Express Format, FastFormat, Contact ID, SIA Level 2/3, Pager and Mobile Phone
Dialling Formats:	Pulse or DTMF
REN:	1
Approval:	CTR21, DPT-TE-001

EN50136-1-1 & EN50136-2-3

The inbuilt communicator complies with the requirements of EN50136-2-3, EN50136-1-1 and are suitable for use in systems designed for use with ATS levels 1 or 2 and environmental class 1 or 2 – i.e. systems using notification options up to and including 2B. With the PSTN functioning normally, the ATS will comply with the required performance levels subject to the ARC being suitably equipped.



NOTE These units may be used for Downloading, Remote Servicing or SMS text messaging purposes in systems at ALL security grades.

Environmental

Operating Temperature: -10°C to + 55°C
+ 14°F to + 131°F

Maximum Humidity: 95% non-condensing

EMC Environment: Residential/Commercial/Light Industrial or Industrial

Physical

Dimensions:	Small Plastic Enclosure 282mm x 225mm x 80mm
	Large Plastic Enclosure 305mm x 405mm x 100mm
	Small Metal Enclosure 305mm x 310mm x 85mm x 2mm steel
	Large Metal Enclosure 305mm x 405mm x 100mm x 2mm steel

Weight

Small Plastic Enclosure	1.78kg
Large Plastic Enclosure	2.6kg
Small Metal Enclosure	5kg
Large Metal Enclosure	5.8kg